STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: *10/533,642*

Source: *PCT/10*

Date Processed by STIC: *9/26/05*

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO **REDUCE** ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER VERSION 4.2.2 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , **EFS Submission User Manual** - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):**
   U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

PCT

RAW SEQUENCE LISTING   DATE: 09/26/2005
PATENT APPLICATION: US/10/533,642   TIME: 12:48:50

Input Set : A:\PTO.KD.txt
Output Set: N:\CRF4\09262005\J533642.raw

```
   3 <110> APPLICANT: THERAPTOSIS S.A.
   5 <120> TITLE OF INVENTION: METHOD FOR SCREENING MODULATORS OF MITOCHONDRIAL FUCTIONNING
AND NEW
   6        MODULATORS OBTAINED
   8 <130> FILE REFERENCE: 60815PCT
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/533,642
C--> 11 <141> CURRENT FILING DATE: 2005-05-03
  13 <150> PRIOR APPLICATION NUMBER: US 60/472,725
  14 <151> PRIOR FILING DATE: 2003-05-23
  16 <150> PRIOR APPLICATION NUMBER: US 60/415/092
  17 <151> PRIOR FILING DATE: 2002-10-02
  19 <160> NUMBER OF SEQ ID NOS: 57
  21 <170> SOFTWARE: PatentIn version 3.1
  23 <210> SEQ ID NO: 1
  24 <211> LENGTH: 16
  25 <212> TYPE: PRT
  26 <213> ORGANISM: Artificial
W--> 28 <220> FEATURE:
W--> 28 <223> OTHER INFORMATION:
W--> 28 <400> 1
  30 Ala Thr Leu Ser Ala Leu Leu Ala Ala Leu Arg Arg Ile Gln Arg Ala
  31 1               5                   10              15
  34 <210> SEQ ID NO: 2
  35 <211> LENGTH: 27
  36 <212> TYPE: PRT
  37 <213> ORGANISM: Artificial
W--> 39 <220> FEATURE:
W--> 39 <223> OTHER INFORMATION:
W--> 39 <400> 2
  41 Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly Gly Ala Thr Leu Ser Ala
  42 1               5                   10              15
  45 Leu Leu Ala Ala Leu Arg Arg Ile Gln Arg Ala
  46             20                  25
  49 <210> SEQ ID NO: 3
  50 <211> LENGTH: 40
  51 <212> TYPE: PRT
  52 <213> ORGANISM: Artificial
W--> 54 <220> FEATURE:
W--> 54 <223> OTHER INFORMATION:
W--> 54 <400> 3
  56 Arg Lys Lys Arg Arg Gln Arg Arg Arg Cys Gly Gly Leu Glu Thr Arg
  57 1               5                   10              15
  60 Thr Glu Thr Trp Met Ser Ser Glu Gly Ala Trp Lys Gln Ile Gln Lys
  61             20                  25                  30
```

[handwritten annotations: "pp 1-6", "Does Not Comply corrected Diskette Neede", "needs explanation in <2207-<2237 section", "← see p.6", "global error (every sequence has this error)", "same error"]

Input Set : A:\PTO.KD.txt
Output Set: N:\CRF4\09262005\J533642.raw

```
 64 Val Glu Thr Trp Ala Leu Arg His
 65          35                  40
 68 <210> SEQ ID NO: 4
 69 <211> LENGTH: 40
 70 <212> TYPE: PRT
 71 <213> ORGANISM: Artificial
W--> 73 <220> FEATURE:
W--> 73 <223> OTHER INFORMATION:          same
W--> 73 <400> 4
 75 Arg Lys Lys Arg Arg Gln Arg Arg Arg Cys Gly Gly Leu Ala Asn Lys
 76 1               5                  10                  15
 79 Lys Gly Ala Trp Leu Asp Ser Thr Lys Ala Thr Arg Tyr Leu Val Lys
 80              20                  25                  30
 83 Thr Glu Ser Trp Ile Leu Arg Asn
 84          35                  40
 87 <210> SEQ ID NO: 5
 88 <211> LENGTH: 28
 89 <212> TYPE: PRT
 90 <213> ORGANISM: Artificial      same
 92 <220> FEATURE:
 93 <221> NAME/KEY: DISULFID
 94 <222> LOCATION: (3)..(10)
 95 <223> OTHER INFORMATION:
W--> 98 <400> 5
100 Gly Gly Cys Arg Gly Asp Met Phe Gly Cys Gly Gly Leu Leu Phe Ile
101 1               5                  10                  15
104 His Phe Arg Ile Gly Ser Arg His Ser Arg Ile Gly
105              20                  25
108 <210> SEQ ID NO: 6
109 <211> LENGTH: 9
110 <212> TYPE: PRT
111 <213> ORGANISM: Artificial
W--> 113 <220> FEATURE:
W--> 113 <223> OTHER INFORMATION:
W--> 113 <400> 6
115 Arg Ile Glu Ile Trp Ile Leu Arg His
116 1               5
119 <210> SEQ ID NO: 7
120 <211> LENGTH: 9
121 <212> TYPE: PRT
122 <213> ORGANISM: Artificial
W--> 124 <220> FEATURE:
W--> 124 <223> OTHER INFORMATION:
W--> 124 <400> 7
126 Arg Ile Ala Ile Trp Ile Leu Arg His
127 1               5
130 <210> SEQ ID NO: 8
131 <211> LENGTH: 20
132 <212> TYPE: PRT
```

Input Set : A:\PTO.KD.txt
Output Set: N:\CRF4\09262005\J533642.raw

```
      133 <211> ORGANISM: Artificial
W--> 135 <220> FEATURE:
W--> 135 <223> OTHER INFORMATION:
W--> 135 <400> 8
      137 Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly Gly Arg Ile Glu Ile Trp
      138 1               5                   10                  15
      141 Ile Leu Arg His
      142                 20
      145 <210> SEQ ID NO: 9
      146 <211> LENGTH: 20
      147 <212> TYPE: PRT
      148 <213> ORGANISM: Artificial
W--> 150 <220> FEATURE:
W--> 150 <223> OTHER INFORMATION:
W--> 150 <400> 9
      152 Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly Gly Arg Ile Ala Ile Trp
      153 1               5                   10                  15
      156 Ile Leu Arg His
      157                 20
      160 <210> SEQ ID NO: 10
      161 <211> LENGTH: 28
      162 <212> TYPE: PRT
      163 <213> ORGANISM: Artificial
W--> 165 <220> FEATURE:
W--> 165 <223> OTHER INFORMATION:
W--> 165 <400> 10
      167 Glu His Trp Ser Tyr Trp Leu Arg Pro Gly Gly Gly Leu Leu Phe Ile
      168 1               5                   10                  15
      171 His Phe Arg Ile Gly Cys Arg His Ser Arg Ile Gly
      172                 20                  25
      175 <210> SEQ ID NO: 11
      176 <211> LENGTH: 31
      177 <212> TYPE: PRT
      178 <213> ORGANISM: Artificial
W--> 180 <220> FEATURE:
W--> 180 <223> OTHER INFORMATION:
W--> 180 <400> 11
      182 Glu His Trp Ser Tyr Trp Leu Arg Pro Gly Gly Gly Gly Gly Ser Leu
      183 1               5                   10                  15
      186 Leu Phe Ile His Phe Arg Ile Gly Cys Arg His Ser Arg Ile Gly
      187                 20                  25                  30
      190 <210> SEQ ID NO: 12
      191 <211> LENGTH: 27
      192 <212> TYPE: PRT
      193 <213> ORGANISM: Artificial
W--> 195 <220> FEATURE:
W--> 195 <223> OTHER INFORMATION:
W--> 195 <400> 12
      197 Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly Gly Gly Ala Trp Lys His
```

RAW SEQUENCE LISTING

DATE: 09/26/2005

PATENT APPLICATION: US/10/533,642

TIME: 12:48:50

Input Set : A:\PTO.KD.txt
Output Set: N:\CRF4\09262005\J533642.raw

```
      198 1                 5                    10                    15
      201 Ala Gln Arg Ile Glu Ile Trp Ile Leu Arg His
      202               20                25
      205 <210> SEQ ID NO: 13
      206 <211> LENGTH: 27
      207 <212> TYPE: PRT
      208 <213> ORGANISM: Artificial
W-->  210 <220> FEATURE:
W-->  210 <223> OTHER INFORMATION:
W-->  210 <400> 13
      212 Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly Gly Gly Ala Trp Lys His
      213 1                 5                    10                    15
      216 Ala Gln Arg Ile Glu Thr Trp Ile Leu Arg His
      217               20                25
      220 <210> SEQ ID NO: 14
      221 <211> LENGTH: 27
      222 <212> TYPE: PRT
      223 <213> ORGANISM: Artificial
W-->  225 <220> FEATURE:
W-->  225 <223> OTHER INFORMATION:
W-->  225 <400> 14
      227 Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly Gly Gly Ala Trp Lys His
      228 1                 5                    10                    15
      231 Ala Gln Arg Val Glu Ser Trp Ile Leu Arg Asn
      232               20                25
      235 <210> SEQ ID NO: 15
      236 <211> LENGTH: 27
      237 <212> TYPE: PRT
      238 <213> ORGANISM: Artificial
W-->  240 <220> FEATURE:
W-->  240 <223> OTHER INFORMATION:
W-->  240 <400> 15
      242 Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly Gly Gly Ala Trp Lys Arg
      243 1                 5                    10                    15
      246 Ala Cys Arg Met Glu Thr Trp Ile Leu Arg His
      247               20                25
      250 <210> SEQ ID NO: 16
      251 <211> LENGTH: 27
      252 <212> TYPE: PRT
      253 <213> ORGANISM: Artificial
W-->  255 <220> FEATURE:
W-->  255 <223> OTHER INFORMATION:
W-->  255 <400> 16
      257 Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly Gly Gly Ala Trp Lys Gln
      258 1                 5                    10                    15
      261 Ile Gln Lys Val Glu Thr Trp Ala Leu Arg His
      262               20                25
      265 <210> SEQ ID NO: 17
      266 <211> LENGTH: 27
```

Input Set : A:\PTO.KD.txt
Output Set: N:\CRF4\09262005\J533642.raw

```
        267 <212> TYPE: PRT
        268 <213> ORGANISM: Artificial
W-->    270 <220> FEATURE:
W-->    270 <223> OTHER INFORMATION:
W-->    270 <400> 17
        272 Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly Gly Gly Ala Trp Arg Gln
        273 1               5                   10                  15
        276 Val Glu Lys Val Glu Thr Trp Ala Leu Arg His
        277             20                  25

        280 <210> SEQ ID NO: 18
        281 <211> LENGTH: 27
        282 <212> TYPE: PRT
        283 <213> ORGANISM: Artificial
W-->    285 <220> FEATURE:
W-->    285 <223> OTHER INFORMATION:
W-->    285 <400> 18
        287 Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly Gly Gly Ala Trp Lys His
        288 1               5                   10                  15
        291 Ala Gln Arg Ile Ala Ile Trp Ile Leu Arg His
        292             20                  25

        295 <210> SEQ ID NO: 19
        296 <211> LENGTH: 15
        297 <212> TYPE: PRT
        298 <213> ORGANISM: Artificial
W-->    300 <220> FEATURE:
W-->    300 <223> OTHER INFORMATION:
W-->    300 <400> 19
        302 Ala Trp Lys His Ala Gln Arg Ile Ala Ile Trp Ile Leu Arg His
        303 1               5                   10                  15

        306 <210> SEQ ID NO: 20
        307 <211> LENGTH: 21
        308 <212> TYPE: PRT
        309 <213> ORGANISM: Artificial
        311 <220> FEATURE:
        312 <221> NAME/KEY: DISULFID
        313 <222> LOCATION: (3)..(10)
        314 <223> OTHER INFORMATION:
W-->    317 <400> 20
        319 Gly Gly Cys Arg Gly Asp Met Phe Gly Cys Gly Gly Arg Ile Glu Ile
        320 1               5                   10                  15
        323 Trp Ile Leu Arg His
        324             20

        327 <210> SEQ ID NO: 21
        328 <211> LENGTH: 21
        329 <212> TYPE: PRT
        330 <213> ORGANISM: Artificial
        332 <220> FEATURE:
        333 <221> NAME/KEY: DISULFID
        334 <222> LOCATION: (3)..(10)
```

same error

FYI

The types of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.

same

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 09/26/2005

PATENT APPLICATION: US/10/533,642   TIME: 12:48:51

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\09262005\J533642.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27
Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51
Seq#:52,53,54,55,56,57

Use of <220> Feature(NEW RULES): *error explanation*

Sequence(s)__are missing the <220> Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence"
or"Unknown". Please explain source of genetic material in <220> to <223>
section (See "Federal Register," 6/01/98, Vol. 63, No. 104,pp.29631-32)
(Sec.1.823 of new Rules)

Seq#:1,2,3,4,6,7,8,9,10,11,12,13,14,15,16,17,18,19,24,25,26,27,28,29,30,31,32
Seq#:33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53 *5,20,21,*

22-23,54-57

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/533,642

DATE: 09/26/2005
TIME: 12:48:51

Input Set : **A:\PTO.KD.txt**
Output Set: **N:\CRF4\09262005\J533642.raw**

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:28 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:1, <213>
ORGANISM:Artificial
L:28 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:1, <213>
ORGANISM:Artificial
L:28 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:28
L:39 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:2, <213>
ORGANISM:Artificial
L:39 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:2, <213>
ORGANISM:Artificial
L:39 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:2,Line#:39
L:54 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:3, <213>
ORGANISM:Artificial
L:54 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:3, <213>
ORGANISM:Artificial
L:54 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:54
L:73 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:4, <213>
ORGANISM:Artificial
L:73 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:4, <213>
ORGANISM:Artificial
L:73 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:73
L:98 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:95
L:113 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:6, <213>
ORGANISM:Artificial
L:113 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:6, <213>
ORGANISM:Artificial
L:113 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:6,Line#:113
L:124 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:7, <213>
ORGANISM:Artificial
L:124 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:7, <213>
ORGANISM:Artificial
L:124 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:7,Line#:124
L:135 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:8, <213>
ORGANISM:Artificial
L:135 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:8, <213>
ORGANISM:Artificial
L:135 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:8,Line#:135
L:150 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:9, <213>
ORGANISM:Artificial
L:150 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:9, <213>
ORGANISM:Artificial
L:150 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:9,Line#:150
L:165 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:10, <213>
ORGANISM:Artificial
L:165 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:10, <213>
ORGANISM:Artificial
L:165 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:10,Line#:165
L:180 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:11, <213>
ORGANISM:Artificial
L:180 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:11, <213>
ORGANISM:Artificial
L:180 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:11,Line#:180

L:195 M:258 W: Mandatory Fea⬤ missing, <220> Tag not found for⬤Q#:12, <213>
ORGANISM:Artificial
L:195 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:12, <213>
ORGANISM:Artificial
L:195 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:12,Line#:195
L:210 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:13, <213>
ORGANISM:Artificial
L:210 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:13, <213>
ORGANISM:Artificial
L:210 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:13,Line#:210
L:225 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:14, <213>
ORGANISM:Artificial
L:225 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:14, <213>
ORGANISM:Artificial
L:225 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:14,Line#:225
L:240 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:15, <213>
ORGANISM:Artificial
L:240 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:15, <213>
ORGANISM:Artificial
L:240 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:15,Line#:240
L:255 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:16, <213>
ORGANISM:Artificial
L:255 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:16, <213>
ORGANISM:Artificial
L:255 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:16,Line#:255

VERIFICATION SUMMARY   DATE: 09/26/2005
PATENT APPLICATION: US/10/533,642   TIME: 12:48:51

Input Set : A:\PTO.KD.txt
Output Set: N:\CRF4\09262005\J533642.raw

L:270 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:17, <213>
ORGANISM:Artificial
L:270 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:17, <213>
ORGANISM:Artificial
L:270 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:17,Line#:270
L:285 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:18, <213>
ORGANISM:Artificial